

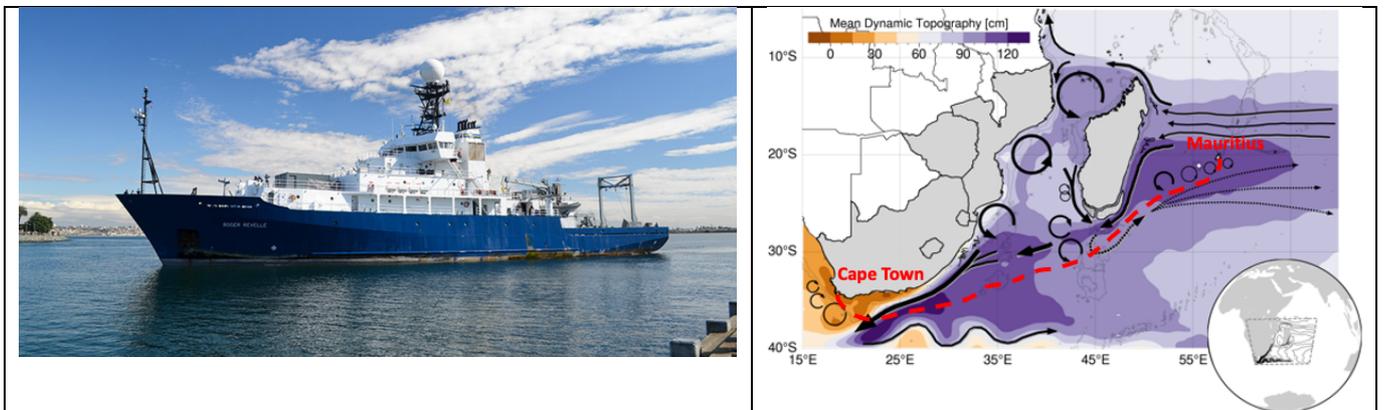
# Opportunity for Students, Postdocs, and Early Career Scientists from the Southwest Indian Ocean Region to participate in a research cruise

## 1. Context

In April-May 2023, we will be sailing from Cape Town, South Africa, to Port Louis, Mauritius, onboard R/V *Roger Revelle* to collect in-situ observations in the Madagascar Basin. This joint cruise is part of the East Madagascar Current (EMC) and Deep Madagascar Basin (DMB) Experiments, both funded by the US National Science Foundation (NSF) and endorsed by the Indian Ocean Expedition 2 (IIOE-2). The experiments are led by Viviane Menezes at the Wood Hole Oceanographic Institute (WHOI).

While the EMC experiment will examine the fate of the Eastern Madagascar Current after this western boundary current detaches from the southern tip of Madagascar, the DMB experiment will investigate the deep and abyssal circulation. During the cruise, RAFOS floats, surface drifters, and Deep Argo will be released, moorings to track the floats will be deployed, and hydrographic/LADCP/Tracer stations will be occupied to measure temperature, salinity, oxygen, nutrients, CFC/SF6, currents from the sea surface to the sea bottom.

As part of the EMC experiment, we are offering up to five (05) positions for students, postdocs and early career researchers (ECRs) from the Southwest Indian Ocean Region to take part in the cruise. The selected participants will have the opportunity to work on several components of the cruise depending on their interests and learn the ropes from well-seasoned oceanographers.



**Figure1:** (left) R/V *Roger Revelle*. The R/V *Roger Revelle* is operated by Scripps Institution of Oceanography. *Roger Revelle* is one of six major oceanographic research vessels owned by the U.S. Navy and operated within the University-National Oceanographic Laboratory System as shared-use research facilities. (right) General surface circulation in the Southwest Indian Ocean.

## 2. Itinerary and period of the cruise:

The cruise will be on the US oceanographic research vessel R/V *Roger Revelle* (Figure 1) from **6 April to 13 May 2023**. All members of the scientific party (including the selected in this call) will embark at **Cape Town**, South Africa, and the cruise will end in **Port Louis**, Mauritius

(Figure 1). Mobilization starts on April 4, and demobilization ends on May 15. **There is a COVID protocol that the science party must follow that includes mandatory vaccination.**

Be aware that dates and ports can change during final ship scheduling and any such changes are usually minor. However, candidates are requested to allow two weeks availability slack before and after the cruise period.

### **3. Eligibility and condition to apply:**

Who can apply?

The call is open for ECRs (up to 5 years post-Ph.D.), postdocs, and students who are affiliated with universities or research institutes based in the Southwest Indian Ocean region. Candidates who are interested or have work related to regional physical oceanography are highly encouraged to apply, particularly if they like to take additional measurements. The academic level of the applicant is preferably Master level minimum, but we would consider enthusiastic undergraduate students with a scientific interest in the region. We will have people from different native languages but the working language will be English. Thus, a minimum understanding of English is highly indicated. Female applicants will be prioritized, and applicants with no sea-going experience will be also considered.

A valid passport and appropriate visa are required for participation in the cruise.

All personnel sailing will need proof of COVID-19 vaccination.

### **4. Applicants support:**

**There is no cost to participate in the cruise!** The project will cover the expenses of the selected candidates. This will include an economy-class air ticket from the nearest airport to Cape Town (departure) and from Mauritius to the nearest airport (return). Accommodation & food onboard the R/V Reville are free. If there is needed to stay in the port city for the flight, the chief scientist will also arrange the hotel. The Chief Scientist will deal with additional expenses for full participation. These expenses will be discussed case by case.

An invitation letter will be provided to selected candidates for visa-related requirements if needed.

### **5. Application process:**

Interested candidates are required to send a cover letter (1-page) indicating your interest in the cruise and information about your background and a short CV (1-2 pages) listing the academic program you are part of, your advisor/supervisor name, and the type of research you are carrying out if you are at that stage, as well as any prior cruise experience. The cover letter and CV should be sent to Viviane Menezes (Chief Scientist, [vmenezes@whoi.edu](mailto:vmenezes@whoi.edu)) and Juliano Ramanantsoa ([hram@norceresearch.no](mailto:hram@norceresearch.no)) no later than **10 February 2023**.